

### **DETAILED ACTION**

#### ***Allowable Subject Matter***

1. Claims 4, 5, 9 and 16 are allowed.
2. The following is an examiner's statement of reasons for allowance: The prior art references fail to disclose or reasonably suggest forming a first layer including a polymethyl isopropenyl ketone on a substrate, forming on the first layer, a second layer including a photosensitive material of a copolymer obtained by copolymerization of a methacrylate and a methacrylic acid, where the second layer is baked at a temperature of 100 to 150 degrees Celsius, and patterning the layers in a process of forming a liquid discharge head. The reference, Kubota, teaches the compositions of the two layers; however, the placement of the layers is reversed. Also, Kubota teaches a much higher baking temperature, which crosslinks the layers, while the present invention teaches a lower temperature which does not crosslink the layers.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRITTANY RAYMOND whose telephone number is (571)272-6545. The examiner can normally be reached on Monday through Friday, 10:00 a.m. - 6:30 p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly can be reached on 571-272-1526. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

**/Kathleen Duda/  
Primary Examiner, Art Unit 1722**

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